

# Nuclear Data on the Internet

R.B. Firestone

The LBNL Isotopes Project has been providing nuclear data over the Internet since 1995. Home pages are supported for the *Table of Isotopes*, Isotope Explorer software, Nuclear Science References, radioactive decay, high-spin and nuclear structure, nuclear structure systematics, nuclear astrophysics, thermal neutron capture, spontaneous fission, atomic masses, nuclear moments, elemental properties, atomic data, interaction of radiation with matter, Q-value calculations, and science education.

These home pages are maintained on the server "ie.lbl.gov", a PC(NT) computer managed by the Isotopes Project. The NSR and ENSDF databases provided on our servers are obtained from the National Nuclear Data Center (NNDC) at Brookhaven National Laboratory. The NSR file is then indexed at LBNL and organized for rapid dissemination on the WWW. The *card-image* ENSDF file is converted to the more modern ENSDF/2 format for computer usage.

Isotope Explorer and NSR Server send requests to the Isotope Project server for data and references. The Isotopes Project Nuclear Data Dissemination home page can be found at <http://ie.lbl.gov/toi.html>.

Usage of Isotopes Project Internet nuclear data services continues to grow. Currently, about 10,000 different users make approximately 300,000 data requests per month. Over 500,000 ENSDF/2 isotope data files were requested in 2000. A summary of 1996-2000 monthly usage is shown in figures 1-3.

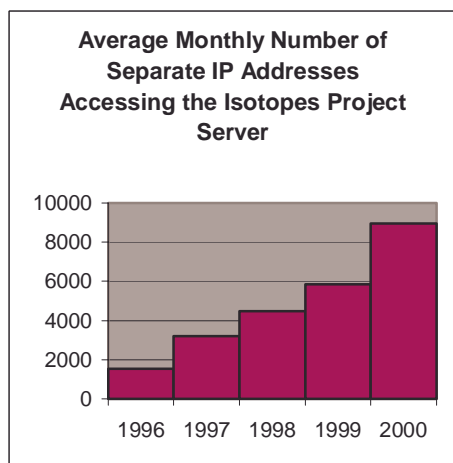


Figure 1. Number of users per year since 1996.

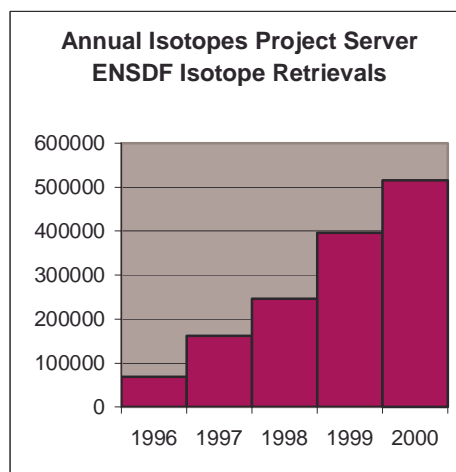


Figure 2. ENSDF usage per yearsince 1996.

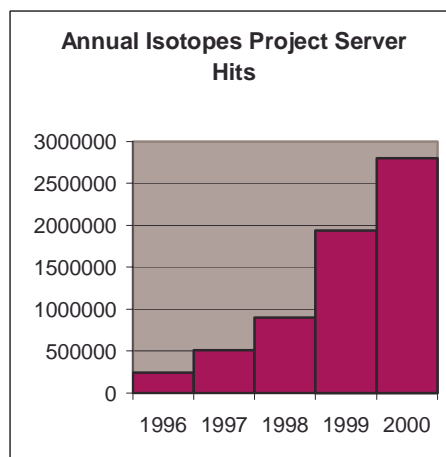


Figure 3. Total server hits per year since 1996